



2013

Product Catalogue

Sleep, home respiratory and respiratory drug delivery

PHILIPS
RESPIRONICS

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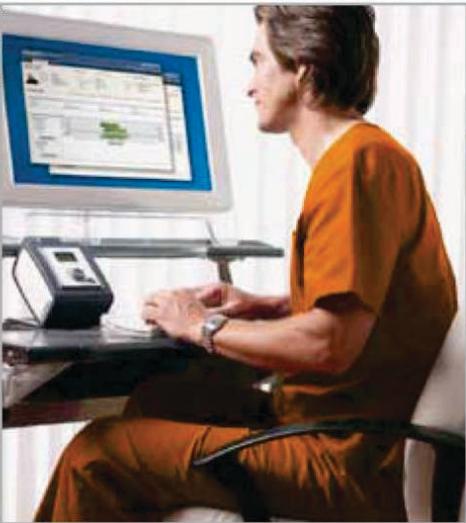




Sleep Therapy

One intelligent package

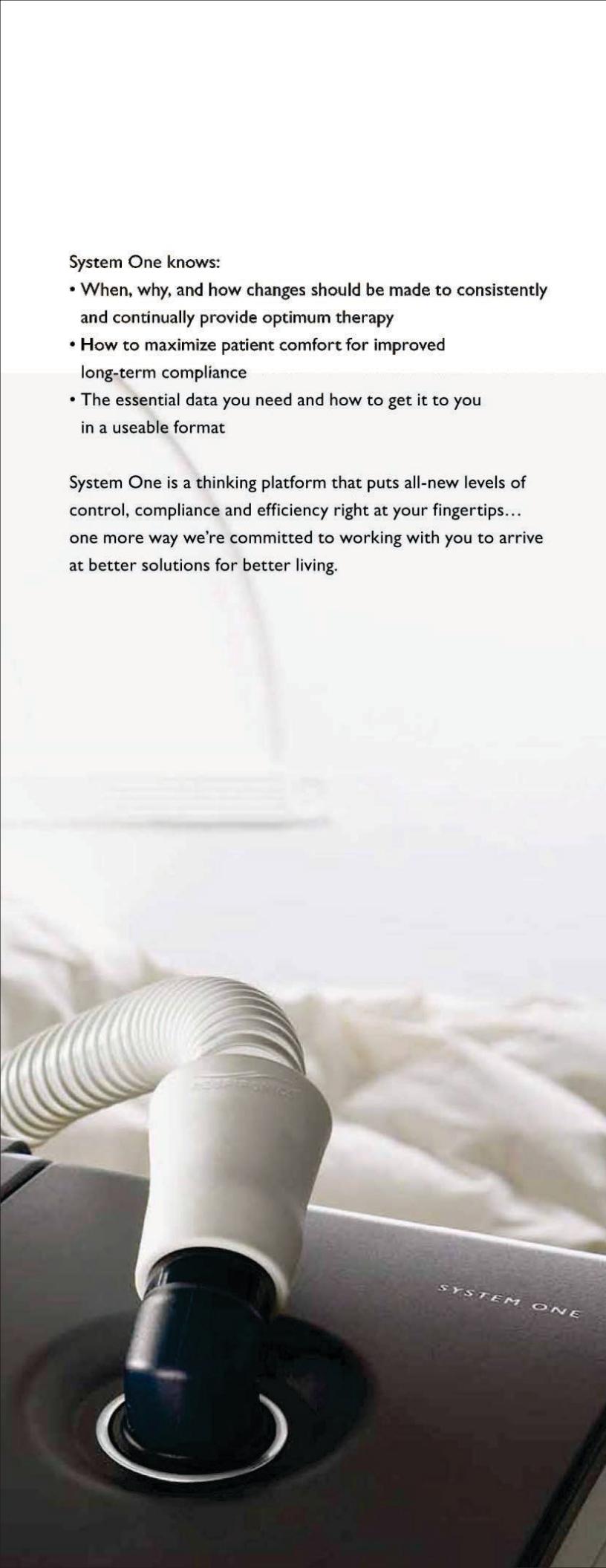
Our enhanced System One sleep therapy platform brings a number of key intelligent technologies together in a single device.



Philips Respironics has long offered smarter tools that help sleep professionals provide better care and achieve better results. Now, based on more than a year of customer use and input, we're delivering an even higher level of sophistication in an intelligent therapy device that operates exactly the way you've told us it should.

Through advancements in software algorithms and the marriage of proven patient-centric technologies, System One thinks for itself, carefully monitoring your patient and recognizing when therapy needs are changing. It then arms you with the intelligent data you need to make informed patient-care decisions.





Five components of Intelligent Therapy

System One knows:

- When, why, and how changes should be made to consistently and continually provide optimum therapy
- How to maximize patient comfort for improved long-term compliance
- The essential data you need and how to get it to you in a useable format

System One is a thinking platform that puts all-new levels of control, compliance and efficiency right at your fingertips... one more way we're committed to working with you to arrive at better solutions for better living.

1 System One Humidity Control and Dry Box technologies

Industry-best humidification management to prevent rainout* and water damage.

System One Humidity Control is a breakthrough technology that maintains consistent and optimum humidity levels – even in changing conditions – by analyzing ambient temperature, relative humidity and patient flow. With five settings, using either an improved humidity control that minimizes the potential for rainout in the patient circuit, or “classic” mode that lets patients turn off Humidity Control altogether, System One delivers customized comfort. And our Dry Box technology isolates the humidifier’s water source from the inner workings of the device during normal, and most uncommon, conditions.

2 System One Resistance Control

Optimized pressure delivery, no matter which mask is used.

System One Resistance Control achieves complete system comfort by enabling the device and mask to work optimally together. Through simple settings, the technology instructs the device to compensate for variable resistance characteristics related to different masks. The result is synchronous pressure delivery and the assurance that patients can enjoy the full benefits of our Flex comfort technologies no matter which Philips Respironics mask is used.

3 Advanced event detection

Identification of complicated and changing conditions that may indicate alternative therapy.

System One addresses advanced sleep assessment parameters, including AHI, leak, flow limitation and RERAs to provide optimum therapy for obstructive sleep apnea (OSA). Now, in one of our most exciting advancements, System One’s intelligent advanced detection technology detects when patients are experiencing symptoms beyond those of classic OSA – including such conditions as clear airway apneas and periodic breathing – immediately indicating the potential need for specialized therapy. Clinicians and providers can verify events by viewing detailed patient flow waveform data captured by the system, which even features a setting that automatically monitors mask fit and seal in real time.

* Under most conditions.

4 Flex Family technologies

Improved patient comfort with proven pressure relief.

Our natural and clinically-proven, patented technologies that enhance traditional pressure therapy – C-Flex, Bi-Flex, A-Flex, and now C-Flex+ in our fixed-CPAP mode advanced units – are an excellent way to establish increased patient comfort and compliance. And since our advanced Digital Auto-Trak algorithm detects the onset of inspiration and exhalation, our flow-based Flex technologies deliver just the right pressure relief for every breath, making it easier for patients to adapt to therapy. Each Flex-enabled System One device has an on-board Flex Demo mode to allow patients to feel the difference for themselves at the push of a button.

5 Encore data management and reporting

Intelligent patient management for improved compliance.

The best intelligence is only valuable if it's easily accessible. That's why we've made sure vital patient information is available through multiple options of data transfer and reporting, including memory cards and modems.** System One now includes on-board data memory along with our available wireless modem technology, which allows for patient data to be uploaded automatically on a daily basis. EncoreAnywhere data management software enables patient data to be viewed virtually anywhere through a secure website, accessible from any computer. Putting more patient intelligence in your hands is a key component of effective patient therapy and compliance management.

** Not available in all countries.



System One: the Intelligent Choice

With its enhancements and innovations plus unmatched service and support, it's easy to see why the industry's most intelligent sleep therapy system is the smart choice for patients and an equally smart business decision for providers and clinicians. To learn more about the System One, contact your Philips Respironics representative or visit www.philips.com/respironics.



CPAP therapy

REMstar

- Simplified user interface
- Flex pressure relief technology System One humidifier compatibility with
- Dry Box technology
 - Water ingress protection
- System One noise reduction
- No SD card

Part number	
IN17I	REMstar (Torch) without SD card.
IN17IH	REMstar (Torch) without SD card. (core pack) <i>Includes integrated heated humidifier.</i>
IN221S	REMstar SE (Torch) with SD card.
IN221HS	REMstar SE (Torch) with SD card. (core pack) <i>Includes integrated heated humidifier.</i>

Units include a carrying case, performance tubing, reusable gray foam filter, side cover panel, power cord and power supply, SD card, and a user manual.

REMstar SE

- Simplified user interface
- Flex pressure relief technology System One humidifier compatibility with
- Dry Box technology
 - Water ingress protection
- System One noise reduction
- SD card optional



Accessories	
Filters	
1063096	Ultra-fine filter kit*
1063091	Foam filter kit*
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
622038	Reusable patient tubing, 6', gray
1032907	Performance tubing
Miscellaneous	
1063784	Device side panel
1063786	Power supply
1005894	Power cord
1063857	Carrying case

CPAP therapy

REMstar Pro with C-Flex +

- Fixed CPAP
- SD card, optional wired and wireless modems
- Hours/patterns of use; compliance VIC
- Advanced event detection and reporting
- System One Humidity Control
- System One Resistance Control

Part number		
PRI Cpp Core	IN171H	REMstar, w/ Humid
PRI Cpp Pro	IN461S	REMstar Pro C-Flex+, Sys One, 60 Srs
PRI Cpp Pro Core	IN461HS	REMstar Pro C-Flex+w/Hum,SysOne60Srs

REMstar Plus with C-Flex

- Fixed CPAP
- SD card, optional wired and wireless modems
- Hours/patterns of use; compliance VIC
- Advanced event detection and reporting
- System One Humidity Control



Accessories	
Filters	
1063096	Ultra-fine filter kit*
1063091	Foam filter kit*
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
622038	Reusable patient tubing, 6', gray
1032907	Performance tubing
Miscellaneous	
1063784	Device side panel
1063786	Power supply
1005894	Power cord
1063857	Carrying case

CPAP therapy

REMstar Auto with A-Flex

- Auto CPAP
- SD card, optional wired and wireless modems
- Hours/patterns of use; compliance VIC
- Advanced event detection and reporting
- Advanced event response
- System One Humidity Control
- System One Resistance Control



Part number		
PRI Cpp Auto	IN561S	REMstar Auto A-Flex, Sys One, 60 Srs
PRI Cpp Auto Core	IN561HS	REMstar AutoA-Flex w/Hum,SysOne60Srs

Accessories	
Filters	
1063096	Ultra-fine filter kit*
1063091	Foam filter kit*
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
622038	Reusable patient tubing, 6', gray
1032907	Performance tubing
Miscellaneous	
1063784	Device side panel
1063786	Power supply
1005894	Power cord
1063857	Carrying case

BiPAP system specifications guide

System One sleep therapy platform

Philips Respironics revolutionized sleep therapy by introducing bi-level positive airway pressure technology to treat obstructive sleep apnea. Emulating natural breathing with pressure relief at inhalation and exhalation, this proven technology does more than provide highly effective therapy; it delivers a level of comfort that can mean the difference between compliance and noncompliance for patients having difficulty adapting to traditional CPAP therapy.

As part of the System One sleep therapy platform, the bi-level technology in our BiPAP Auto and BiPAP Pro devices adds an additional level of intelligence to the industry's most advanced system. And the System One

advancements continue with remote switching between bi-level and CPAP modes, increased humidity output and control, and dramatically reduced noise levels.



System One	Modes	Comfort features						Altitude adjustment
		Flex comfort	Flex demo modes	System One humidity control	System One resistance control	Ramp (5-45 minutes)		
BiPAP Pro	CPAP Fixed bi-level	Bi-Flex	BiPAP Bi-Flex	Standard	Standard	Adjustable	Automatic	
BiPAP Auto	CPAP Fixed bi-level Auto bi-level	Bi-Flex	BiPAP Bi-Flex	Standard	Standard	Adjustable	Automatic	

System One	Encore patient management						Data capture
	Phone-in EncorePro 2	SD card EncorePro 2	Data transfer modes		Patterns of use	Advanced event detection and reporting	
BiPAP Pro	Hours of use	Standard	Standard	Standard	AHI, FL, RERA, snore, leak, CA, OA, HY, PB	N/A	Standard
BiPAP Auto	Hours of use	Standard	Standard	Standard	AHI, FL, RERA, snore, leak, CA, OA, HY, PB	FL, RERA, snore, leak, OA, HY	Standard

Legend

AHI: Apnea Hypopnea Index
CA: Clear Airway Apnea
FL: Flow Limitation
HY: Hypopnea
OA: Obstructed Airway Apnea

PB: Periodic Breathing
RERA: Respiratory Effort Related Arousal

Bi-level therapy

Part number		
PRI Bilevel Pro	IN661S	BiPAP Pro BiFlex, Sys One 60 Srs
PRI Bilevel Pro Core	IN661HS	BiPAP Pro BiFlex w/Hum Sys One 60Srs

Accessories	
Filters	
1063096	Ultra-fine filter kit
1063091	Foam filter kit
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
622038	Reusable patient tubing, 6', gray
1032907	Performance tubing
Miscellaneous	
1063784	Device side panel
1063786	Power supply
1005894	Power cord
1063857	Carrying case

BiPAP Pro with Bi-Flex

- Fixed bi-level
- SD card, optional wired and wireless modems
- Hours/patterns of use; compliance VIC
- Advanced event detection and reporting
- System One Humidity Control
- System One Resistance Control



Bi-level therapy

BiPAP Auto with Bi-Flex

- Auto bi-level
- SD card, optional wired and wireless modems
- Hours/patterns of use; compliance VIC
- Advanced event detection and reporting
- Advanced event response
- System One Humidity Control
- System One Resistance Control



Part number		
PRI Bilevel Auto	IN761S	BiPAP Auto BiFlex, Sys One 60 Srs
PRI Bilevel Auto Core	IN761HS	BiPAP Auto BiFlex w/Hum SysOne 60Srs

Accessories	
Filters	
1063096	Ultra-fine filter kit*
1063091	Foam filter kit*
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
622038	Reusable patient tubing, 6', gray
1032907	Performance tubing
Miscellaneous	
1063784	Device side panel
1063858	SD card cover, attached to device
1063786	Power supply
1005894	Power cord
1063857	Carrying case

Bi-level therapy

PAP Accessories

Part number		
Sleep Access	1003303	ENCORE SMARTCARD (SINGLE)
	1003304	ENCORE SMARTCARD, 10 PACK
	1006102	CLINICAL REMOTE SERIAL ADAPTER
	1007492	SLEEPLINK INTERFACE KIT FOR AOM
	1012975	RP-DC POWER ADAPTER KIT
	1014352	ENCORE USB,SMARTCARD READER/WRITER
	1028869	PORTABLE BATTERY PACK (14.4AH)
	1059963	SLEEPLINK CARD
	1063859	Philips RI SD Cards 10 Pk
Sleep Ext Warranty	1070659	PR SYSTI HTD HUMID 2YR STD NC INTL WAR
	1080571	BIPAP (S/T AND AVAPS) 2YR STD WARRANTY
	1093807	BIPAP A30 STANDARD WARRANTY
	1097012	PR BIPAP PRO/AUTO 2YR STD WARRANTY
	1097013	PR REMSTAR AUTO A-FLEX 2YR STD WARRANTY
	1097014	PR REMSTAR PRO 2 YR STD WARRANTY
	1097015	PR REMSTAR PLUS 2YR STD WARRANTY
	1097016	PR REMSTAR 2 YR STD WARRANTY
Sleep Filters	1005945	REMSTAR PRO/PLUS/AUTO/LITE ULTRA FINE(2)
	1005964	REMSTAR PRO/PLUS/AUTO/LITE POLLEN (2)
	1029330	RP Pollen Filters - 2PK
	1029331	RP Ultrafine Filters - 6pk
	1035442	RP Ultrafine Filters - 2pk
Sleep Humidification	1056210	SYSTEM ONE REMstar HEATED HUMID, INT
	22176	Humidifier,F-P,Mr410,230v-Ce
	IN6H	System One Heated Humidifier, INT
	IN6T	System One HT Humid, INT
Sleep Raw Materials	1022895	ADAPTER, USB TO SERIAL
Sleep Service	1061644A	Philips Respironics Link Module



Servo-ventilation therapy

Part number		
PRI Bilevel AutoSV	IN951S	BiPAP AUTOSV ADVANCED PR SYSTEM ONE
PRI Bilevel AutoSV Core	IN951HS	BiPAP AUTOSV ADVANCED SYSTEM ONE W/HUMID

Accessories	
Filters	
1005945	Ultra-fine filters, disposable, 2 per pk.
1005964	Pollen filters, reusable, 2 per pk.
1008479	Filter cap
Humidifiers	
1005792	Heated humidifier
1035162	Heated humidifier chamber (replacement)
Tubing	
1032907	Performance tubing
622038	Reusable patient tubing, 6', gray
Miscellaneous	
1012975	DC power adapter
1005965	Carrying case

BiPAP autoSV Advanced with Encore SmartCard

The BiPAP autoSV Advanced–System One incorporates more device intelligence so that you can make the most informed and timely decisions for your patients. By combining the proven autoSV Advanced algorithm with the System One platform, the BiPAP autoSV Advanced–System One

The BiPAP autoSV Advanced–System One puts timely, accurate patient information at your fingertips, allowing you to instantly change prescriptions or communicate as necessary. The intelligence is easily accessible and can be collected through wireless modems for remote access, helping to link a team of clinicians in separate locations together.



Data management

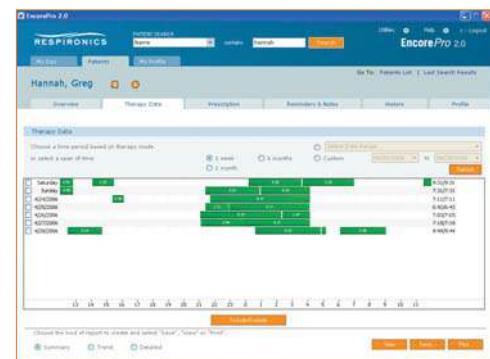
Part number	
1054785	EncorePro2 software

Accessories	
Data management accessories	
1063859	SD cards, 10 per pk.
1065146	SD card mailers, 10 per pk.
1063858	SD card cover, attached to device
1047300	SD card reader
1014352	USB SmartCard reader/writer
1014353	PCMCIA SmartCard reader/writer
1003304	Encore SmartCards, 10 per pk.
Miscellaneous	
1004550	FOSQ questionnaire
1058362	Epworth Sleepiness Scale, 50 sheets per pk.

EncorePro2

With increased intelligence yet less complexity, EncorePro2 enhances your ability to manage patients and your business.

Popular features such as the Encore data card, data downloading capability, compliance reporting, and prescription management continue to be in demand and make an encore appearance in this new generation more intuitive and more secure functionality. It's the best of the old along with the very best of the new.





If it's a breakthrough in sleep therapy... it's likely our innovation.



Our commitment to sleep therapy started in 1985 with the first commercial CPAP machine and grew from there. Through the years, advancement after advancement followed including: BiPAP bi-level systems, Flex pressure relief, and Encore with SmartCard data monitoring technologies. After 25 years of innovation, we are still making history in sleep therapy. Our latest breakthrough, Philips Respironics System One, continues that tradition. By offering you and your patients the most intelligent, advanced technology available, we're once again delivering on our promise to develop innovations that help improve the lives of patients with sleep apnea.

PHILIPS
RESPIRONICS



Home Ventilation

I. What is NIV?

NIV Definition

- Non-invasive ventilation refers to the delivery of mechanical ventilation to the lungs using techniques that do not require an artificial airway



Invasive Definition

- Invasive ventilation refers to a life support system designed to replace or support normal ventilatory function utilizing an artificial airway



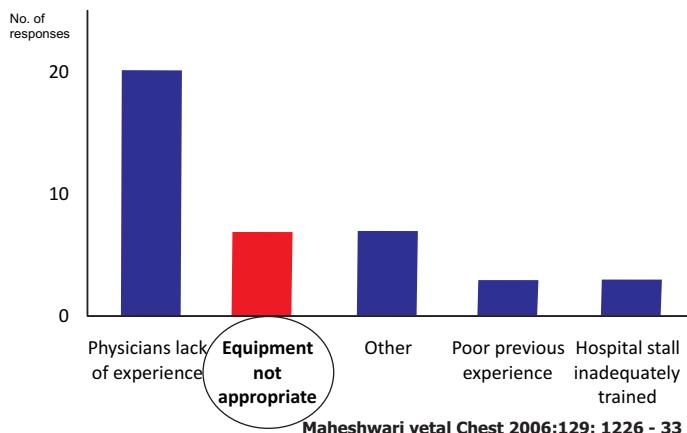
2. Benefits of NIV?

- Improves patient comfort
- Reduces the need for sedation

Oral patency

- Avoids the complications of endotracheal intubation
- Local trauma and injury
- Nosocomial Infection

3. Reasons for low use of NIV in acute hospitals : US survey



Patient- Machine Synchronization

(Patient - Machine Synchronization is the critical factor in instituting successful non invasive ventilation.)

What is Patient/machine synchronization?

- Ability of the ventilator to follow patient breathing rhythm.

What is Digital Auto Trak?

Digital auto trak algorithm detects the onset of inspiration and exhalation. It automatically its variable trigger and cycle threshold to maintain optimum performance in presence of leaks. No manual adjustments are required. The various algorithms are working concurrently and the device reacts to the first component that detects a change, providing maximum sensitivity.

Automatic adjustment of triggering and cycling sensitivity whatever the leakage and patient respiratory mechanics .

- 2 mechanisms to trigger inspiration
- 4 mechanism to trigger exhalation

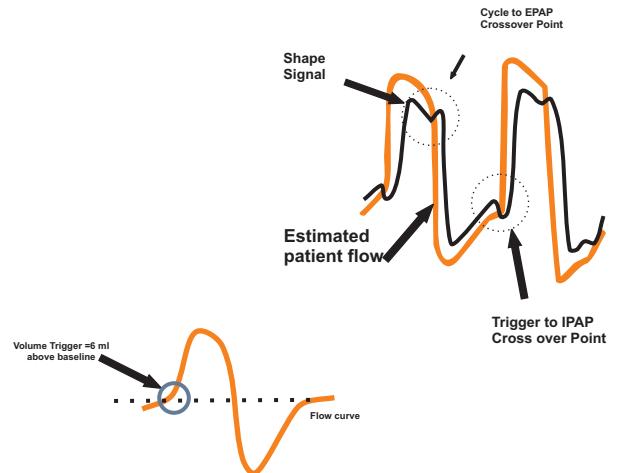
Digital Auto-Trak Algorithm

- Device triggers to IPAP based on patient inspiratory effort
- Device cycles to EPAP when patient tries to exhale

Flow Shape signal:

Delayed waveform crossing patient flow in case of flow direction changes

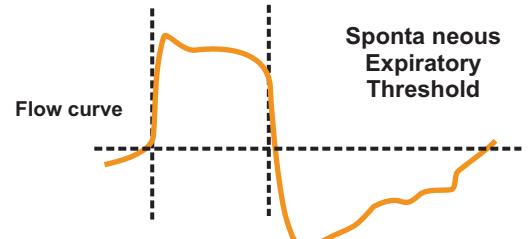
Detects an accumulated 6ml volume above the base line



Spontaneous Expiratory Threshold:

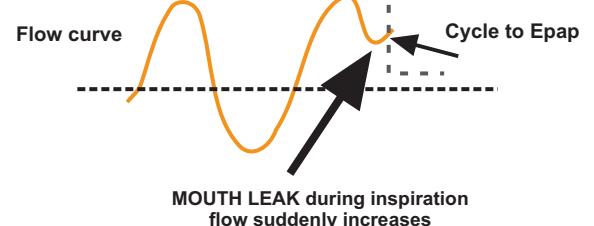
Electronic signal that rises in proportion of the inspiratory flow rate.

SET adapts to flow pattern and therefore to patient respiratory mechanics.



Flow Reversal:

Allows detection of excessive mouth leak. If the flow increases by more than 10% of the peak flow in a short period of time then switch to EPAP



Safety Feature:

Inspiratory time cannot exceed 3 sec

Benefits of Digital Auto-Trak

1. No need to set trigger sensitivity and cycle threshold
2. Automatic adjustment of triggering and cycling sensitivity whatever the leakage and patient respiratory mechanics
3. Flexibility in adjusting the mask

Response Time

(The time taken by the machine to deliver desired flow is known as response time.)

The combination of lowest pressurization time (100 milliseconds) and blower & valve technology makes the PR devices respond to changing patient needs efficiently. It makes the fastest response time to patient demand of flow/pressure needs.

The fastest response time is attributed to **blower & valve technology** and **fast rise time**.

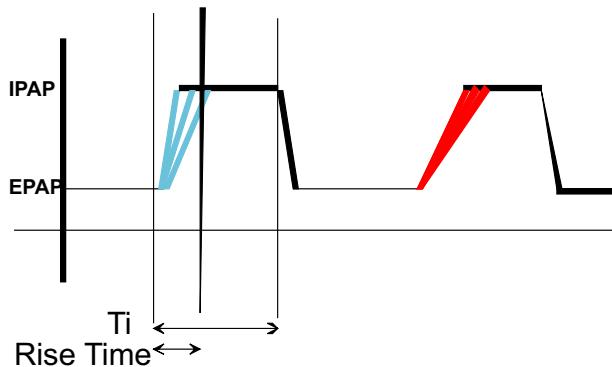
What is Rise time?

Rise Time is the time used by the machine to build up the pressure from EPAP to IPAP

It is expressed in milliseconds (ms).

Usually from 100ms (fast) to 600ms (slow).

The Rise Time is a part of the Ti (inspiratory time).



Rise time of 100 msec is fastest in industry and is 50% faster than closest competitor.



All NIV devices have a single blower which moves at different speeds to deliver two different pressures. The inertia of blower induces the lag between patient demand and delivery by the device. COPD Patients are flow starved and demand immediate delivery of flow. Hence this lag may desynchronize patient with device.

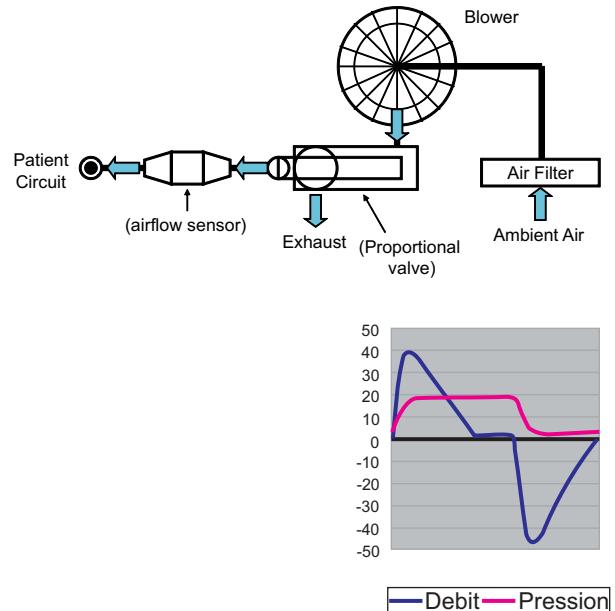
What is blower and valve technology?

Blower works at a constant speed

The blower does not intervene on the cycling, the inspiratory and expiratory phases are managed by the sleeve valve, this is why the blower inertia has no effect on the performance of the ventilation.

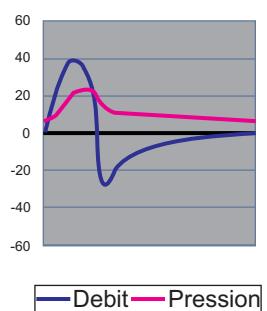
Because the blower has a constant speed, you can choose a very high performance blower in order to provide extra flow demand.

- The blower inertia does not affect the patient ventilation
- The valve controls the flow provided by the blower leading to Response time close to 0
- No lag between patient demand and actual delivery by device



How does it help patients?

With one single blower the patient ventilation is directly affected by the blower speed variations and the blower inertia. The time spent by the blower to rise to IPAP or to drop down to EPAP delays the ventilator response to the patient demand. Thus the ventilator cannot respond to patient extra flow demand and cannot achieve high respiratory rate, which leads to an increased respiratory work:inefficiency and discomfort.



Are there any scientific study to prove the same?

Pressure-time product at 300 ms (cmH₂O.s)

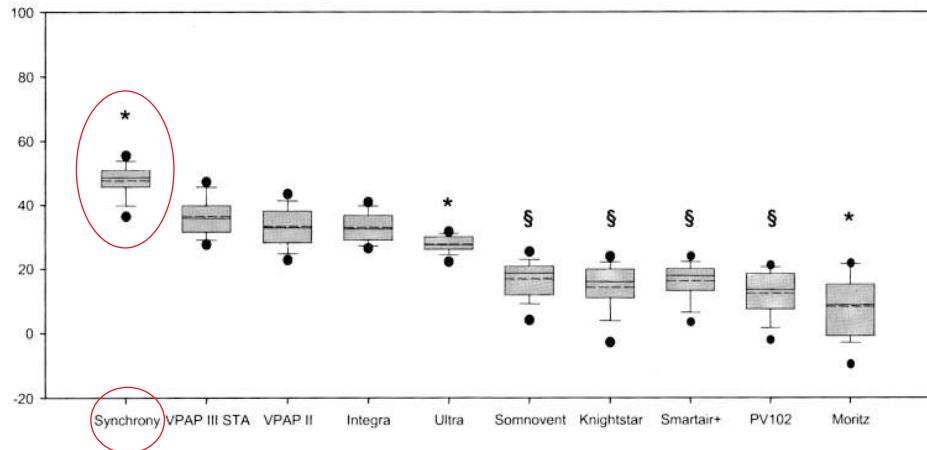


Figure 4. PTP₃₀₀ values for the 10 bilevel ventilation devices. The data were pooled for all conditions. Box and whisker plots show the mean values (dashed lines in the boxes), median values (continuous lines in the boxes), 25th to 75th percentiles (vertical bars), and 5th to 95th percentiles (dots). * = p < 0.05 vs all other devices; § p < 0.05 vs the Integra, Ultra, VPAP II, and VPAP III STA devices. & = p < 0.05 vs the Knightstar, Moritz, PV 102, and SmartAir + devices.

Our device provide fastest response time to patient demand

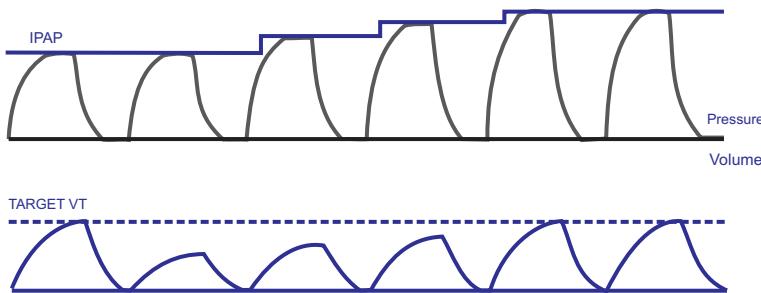
Safety

(Safety in ventilation is delivery of tidal volume and monitoring/alarms for key clinical parameters.)

AVAPS provides a unique feature to maintain tidal volume by varying pressure support. It provides complete hands off to hospital staff and ensures safety in ventilation in absence of a trained clinical staff.

What is AVAPS?

AVAPS automatically adjusts the pressure support according to patient needs to guarantee an average tidal volume, counterbalancing the changing workloads of ventilation due to body position, sleep stages and overall respiratory mechanics.



Benefits of AVAPS

AVAPS (Average Volume assured pressure support)

- Adapts to changes in patient condition and disease progression
- Reduces needs for ventilator adjustment by eliminating IPAP adjustments
- Combines advantage of pressure control and volume ventilation



AVAPS for which patients?

- **Obese hypoventilation patients:** To compensate for changes in body position; tidal volume is ensured
- **COPD patients:** To achieve a combination of ventilation comfort and efficiency with no compromise. Get both benefits by applying “the right pressure at the right time”
- **Restrictive patients:** To provide the comfort and leak compensation of a pressure mode, and the safety of a guaranteed volume



Benefits of AVAPS

- Enhances ventilation by guaranteeing an average tidal volume
- Titration process easier by simplifying IPAP adjustments
- Adapts to change in patient condition and to disease progression

Versatility

(Comfortable ventilation mode to manage a wide range of patients: COPD, OHS and Nuerro muscular disorders).

CPAP: Same pressure during the entire breathing cycle.

BIPAP: Two different levels of pressure, higher pressure during inspiration - IPAP lower pressure during exhalation - EPAP

BIPAP has four modes S, S/T, PC and T

IPAP objective:

↗ Ventilation to avoid hypoventilation at night

↘ CO2

EPAP objective:

- Remove obstructive apnea events and reduce arousals
- Compensate intrinsic PEEP to reduce respiratory work
- Increase alveoli recruitment (for COPD) to improve oxygenation

BIPAP A 30 Modes: Wide application area

Mode	Trigger	Cycle
S	Patient	Patient/Device
S/T	Patient/Device	Patient/Device
PC*	Patient/Device	Device
T*	Machine	Device



BIPAP Modes

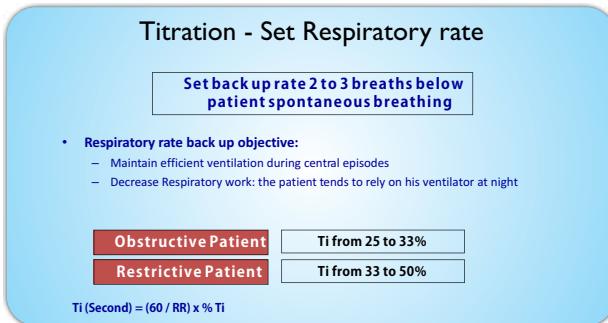
Spontaneous (S) mode:

In this mode, an Inspiratory Positive Airway Pressure (IPAP) is delivered during inhalation and a lower Expiratory Positive Airway Pressure (EPAP) is delivered during exhalation. The device triggers to IPAP in response to patient inspiratory effort and cycles to EPAP when patient exhales.

Settings: IPAP, EPAP

Spontaneous/Timed (S/T) mode:

This mode provides Spontaneous and Mandatory breaths. A Mandatory breath is delivered if the patient does not trigger breath within the prescribed Breath Rate (BPM) setting. This ensures that the patient receives a minimum number of breaths per minute. The duration of a Spontaneous breath is determined by the patient effort. The duration of a Mandatory breath is determined by the inspiratory time setting.



Settings: IPAP, EPAP, RR and Ti

Pressure Control (PC) mode:

In Pressure Control (PC) mode, the device delivers bi-level pressure support. This mode delivers Assist and Mandatory breaths. This mode is identical to S/T mode, except that all breaths have a fixed inspiratory time.

Settings: IPAP, EPAP, RR and Ti

Timed (T) mode:

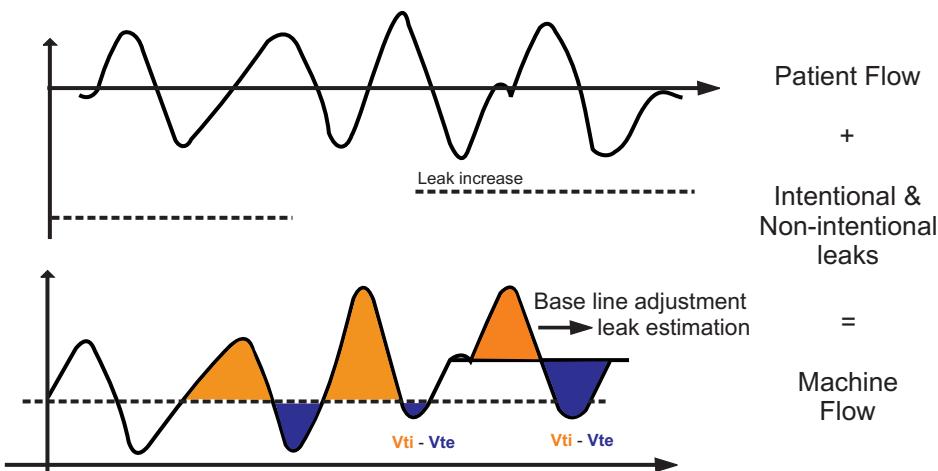
In Timed (T) mode, the device delivers bi-level pressure support. This mode delivers Mandatory breaths only. A Mandatory breath is delivered according to the prescribed BPM and inspiratory time settings. The ventilator will not respond to patient effort.

Settings: IPAP, EPAP, RR and Ti



Leak compensation

The PR devices compensates for both unintentional and intentional leaks upto 60 lpm. This is highest leak compensation in Industry.



BiPAP A30



BiPAP AVAPS

- $V_{ti} > V_{te}$ means leak has increased → Base line needs to be increased
- $V_{ti} < V_{te}$ means leak has decreased → Base line needs to be decreased
- $V_{ti} = V_{te}$ means leak estimation is correct → Base line is correct, patient V_{te} estimation is $(V_{te} + V_{ti})/2$

Leaks are estimated on a breath-by-breath basis

What does the patient need in the acute phase?

- A device that follows the patients very well: good synchronisation → Digital AutoTrak.
- During inspiration the device should support the inspiratory cycle of the patient from the start of inspiration → **fast rise time, powerfull blower.**
- Comfortable ventilation modes → **S / ST / PC**
- Good leak compensation
- Good patient interface



Amara
full face mask



Noninvasive ventilation systems

BiPAP AVAPS, C Series

BiPAP AVAPS noninvasive ventilator has been developed to help clinicians provide better, more efficient care for patients including children as young as seven years of age and who weigh more than 40 pounds.

Improved patient care, automatic adjustments to meet changing patient needs, plus simplified patient management. And it all comes together in a light, quiet, and easy-to-use device that clinicians and patients are sure to appreciate.



Part number	
1060486	BiPAP AVAPS, C SERIES
1061419	BiPAP AVAPS, C SERIES, CORE PKG

Accessories

Filters

1063096	Ultra-fine filter kit
1063091	Foam filter kit

Humidifiers

1056209	System One heated humidifier
1063785	Water chamber

Tubing

1032907	Performance tubing, 6'
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Miscellaneous

1063784	Device side panel
1063786	Power supply
1063857	Carrying case
1005894	Power cord

Noninvasive ventilation systems

Part number	
1061421	BiPAP ST, C SERIES
1061423	BiPAP ST, C SERIES, CORE PKG
Accessories	
Filters	
1063096	Ultra-fine filter kit
1063091	Foam filter kit
Humidifiers	
1056209	System One heated humidifier
1063785	Water chamber
Tubing	
1032907	Performance tubing, 6'
Miscellaneous	
1063784	Device side panel
1063786	Power supply
1063857	Carrying case
1005894	Power cord

BiPAP S/T, C Series

Philips Respironics, a pioneer in noninvasive ventilation (NIV) and a global leader in the respiratory medical device market, introduces the next generation BiPAP S/T ventilatory support system. By combining Respironics' proven bi-level technology with a new, improved platform, the NIV system rated "Best Brand"** by homecare providers just got better for you and your patients.



Noninvasive ventilation systems

BiPAP AVAPS and S/T - Coming Soon...

Part number	
IN1161S	BiPAP AVAPS, C Series, International
IN1161X	BiPAP AVAPS, C Series, International 30
IN1061S	BiPAP S/T, C Series, International
IN1061X	BiPAP S/T, C Series, International 30

Product Specifications	
Pressure range	EPAP 4-30 cm H ₂ O IPAP 4-30 cm H ₂ O CPAP 4-20 cm H ₂ O
Modes	CPAP, S(spontaneous), T(timed), S/T(spontaneous/timed) BiPAP AVAPS: PC (pressure control) and AVAPS hybrid mode for target tidal volume AVAPS pressure change fixed to 2.5 cmH ₂ O per minute
Rise Time	1 (100 ms) to 6 (600 ms)
Alarms	Apnea Low minute ventilation Low tidal volume Patient disconnect
Triggering	Digital Auto-Trak
Breath rate	0-30 BPM, 4 to 30 BPM T Mode
Flex pressure relief	0 to 3 (S-Mode)
Ramp time	0 to 45 min (5-min increments)
Dimensions	18 cm L x 14 cm W x 10 cm H 7" L x 5.5" W x 4" H
Weight	1.36 kg (without humidifier) 3 lbs.
Filters	Foam and optional ultra-fine
Device setup	LCD/control wheel/push button
Data storage capacity (minimum)	Display: compliance VIC, 1-, 7- capacity (minimum) and 30-day averages SD card > 1 year On-board: up to 3 months
Compliance meter	Breathing detection
Altitude	Automatic compensation
Electrical	100-240 VAC, 50/60 Hz requirements
Humidification	Integrates with System One 60 Series humidifier and System One 60 Series Heated Tube humidifier



Noninvasive ventilation systems

Ordering information	Part no.
Device	

BiPAP A40, International * 1076493

* contains BiPAP A40 ventilator with SD card, power cord, AC power adapter, user manual, ultra fine filter, grey foam filter, tubing, and carrying case

Product specifications	
Ventilation modes	•CPAP•S/T•PC•T•AVAPS-AE
Hybrid ventilation	•AVAPS (Average Volume Assured Pressure Support) • AVAPS-AE
IPAP	4 – 40 cmH ₂ O
EPAP	4 – 25 cmH ₂ O
Target tidal volume (AVAPS & AVAPS-AE)	200 – 1500 ml
Breath rate	0 – 40 bpm (4 – 40 bpm in T mode)
Inspiratory time	0.5 – 3 sec.
Triggering and cycling	• Auto-Trak • Sensitive Auto-Trak • Flow triggering
Rise time	1 (100 ms) – 6 (600 ms)
Size	21.6 cm W x 19 cm L x 11.5 cm H
Weight	2.1 kgs (with power supply)
Noise level	< 30 dBA at 10 cmH ₂ O
Humidification	System One humidity control and 'Dry Box' technology
Alarms	•Patientdisconnection •Apnea •Lowminuteventilation •Lowtidalvolume(withAVAPS/AVAPS-AEonly) •Highrespiratoryrate
Monitoring	•Pressure•Tidalvolume•Minuteventilation •Respiratoryrate•Leak•I/Eratio
Battery back up	Detachable battery module: 5 hours at IPAP 12 cmH ₂ O / EPAP 7 cmH ₂ O and 12 bpm
DC power source	•12VDC,5.0A(externalbattery) •24VDC,4.2A(powersupply)
Data management	•EncorePro 2 and DirectView software • Compatible with oximetry module •Advanced detection of residual respiratory events (apnea/hypopnea index, obstructed airway apnea, clear airway apnea, hypopnea, periodic breathing, RERA, large leak and snore)
Remote control	Compatible with PC Direct
Polygraph and polysomnograph connections	•Direct connection to Alice PDx and Alice6 PSGs

BiPAP A40

Because our innovations are inspired by you and your patients, the bi-level ventilator BiPAP A40 has been designed to combine ease-of-use and comfort with technological innovations that adapt to your patient's conditions to deliver enhanced therapy.

It comes with well-known and clinically proven Philips Respironics technology such as Auto-Trak, AVAPS and a Dry box humidifier design.

Accessories	
A Series humidifier, International	1077107
Battery module	1096770
Detachable battery	1043570
Ultra fine filter kit	1063096
Foam filter kit	1063091
Power supply	1081167
Power cord, Europe	1039014
Power cord, UK	1039026
Performance tubing 22 mm	1032907
Performance tubing 15 mm	1074400
EncorePro 2 software	1054785
DirectView software	1005297
RJ9 to 1/4" nurse call cable, closed	1080247
RJ9 to 1/4" nurse call cable, open	1080248
RJ9 nurse call cable, open ends	1080249
Carrying bag	1098514
BiPAP A40 in-use bag	1098513
Oximetry accessory, INTL	100215E
BiPAP A Series roll stand	1098538



Noninvasive ventilation systems

BiPAP A30 specifications

Ventilation modes	CPAP, S, S/T, PC, T
Hybrid ventilation	AVAPS (Average Volume Assured Pressure Support)
AVAPS rate	0.5 to 5 cmH ₂ O/min
IPAP	4 – 30 cmH ₂ O
EPAP	4 – 25 cmH ₂ O
Target tidal volume	200 – 1500 ml
Breath rate	0 – 40 BPM (4 – 40 BPM in T mode)
Inspiratory time	0.5 – 3 sec.
Triggering and cycling	Digital Auto-TRAK algorithm
Rise time	1 (100 ms) – 6 (600 ms)
Size	21.6 cm W x 19 cm L x 11.5 cm H
Weight	2.1 Kgs (with power supply)
Noise level	< 30 dBA at 10 cmH ₂ O
Humidification	System One humidity control and 'Dry Box' technology
Alarms	Patient disconnection Apnea Low minute ventilation Low tidal volume (with AVAPS only) High respiratory rate
Monitoring	Pressure, tidal volume, minute ventilation, respiratory rate, Leak
Battery back up	11 hours at IPAP 15 / EPAP 4 cmH ₂ O and 12 BPM
DC power source	12VDC, 5.0 A (external battery), 24VDC, 4.2 A (power supply)
Data management	EncorePro 2 and DirectView software Compatible with oximetry module Advanced detection of residual respiratory events (Apnea/Hypopnea Index, Obstructed Airway Apnea Hypopnea, Periodic Breathing, RERA, Large Leak and Snore)
Remote control	Compatible with PC Direct
Polygraph and polysomnograph connections	Direct connection to Alice PDx and Alice6 PSGs AOM to connect to most PSG systems

BiPAP A30

Because our innovations are inspired by you and your patients, the bi-level ventilator BiPAP A30 has been designed to combine ease-of-use with technology advancements that adapt to your patient's condition to deliver enhanced therapy. Based on a familiar platform, it delivers a smooth transition from hospital to home for your chronic insufficiency respiratory patients. Because we know that being at home can work wonders.

Ordering information

Devices

BiPAP A30	1076491
BiPAP A30, core package	1076564



Accessories

	Part number
A Series humidifier, international	1077107
Ultra fine filter kit	1063096
Foam filter kit	1063091
Water chamber	1066737
Device side panel	1093950
Power supply	1081167
Power cord, Europe	1039014
Power cord, UK	1039026
Performance tubing 22 mm	1032907
Performance tubing 15 mm	1074400

Accessories

	Part number
EncorePro 2 software	1054785
DirectView software	1005297
SD card (10 Pack)	1063859
SD card reader	1047300
RJ9 to 1/4" nurse call cable, closed	1080247
RJ9 to 1/4" nurse call cable, open	1080248
RJ9 nurse call cable, open ends	1080249
Carrying bag	1080095
Oximetry Accessory, INTL includes carry case (PN 1070185)	100215E

Invasive ventilation

Trilogy100 ventilator

The originator of bi-level technology has developed Trilogy100, a remarkably versatile ventilator that meets the needs of adult and pediatric patients alike. Leveraging well-known Resironics technology, Trilogy100 provides clinicians with an array of treatment options by delivering Volume Control Ventilation or Pressure Control Ventilation through either noninvasive or invasive methods with advanced leakage compensation. This built-in flexibility makes Trilogy100 ideal in treating a wide range of respiratory conditions or those respiratory conditions that require frequent changes to the patient's prescription.



Part number	
1054096	Trilogy100 Ventilator, International
Accessories	
Filters	
1033652	Trilogy filters, 2 per pk.
342077	Bacteria filters, disposable, 10 per pk.
C06417	Filter, bacteria 22 mm, single use
C06418	Filters, bacteria 22 mm, single use, 50 per pk.
Tubing	
1007800	Smooth inner lumen tubing (autoclavable)
Alarms and accessories	
1045291	Trilogy remote alarm adapter cable
23001	Pressure alarm
34003	Remote alarm
34031	Converter, 120VAC to 9VDC <i>For pressure and remote alarms</i>
34046	Monitor/alarm stand, clear
34906	Call button, remote alarm
34910	Extension cable, remote alarm, 50'
34915	Extension cable, remote alarm, 100'
34913	Extension cable, remote alarm, 200'
34914	Extension cable, remote alarm, 300'
332113	Whisper Swivel II Packaged
Circuits	
1052064	Trilogy active with PAP exhalation circuit, adult
1052065	Trilogy active with PAP exhalation circuit, pediatric
1052066	Trilogy passive exhalation circuit, adult
1052127	Trilogy passive exhalation circuit, pediatric
1069443	Adult, invasive passive disposable non-heated circuit, 10 per pk.
1069444	Adult, invasive passive disposable non-heated circuit, 20 per pk.
1069467	Adult, noninvasive passive disposable non-heated circuit, 10 per pk.
1069468	Adult, noninvasive passive disposable non-heated circuit, 20 per pk.
1073232	Dispo Adult active circuit no H2O trp 20pk
Trilogy Raw Material	
1105665	RP-Trilogy 202 Front Enclosure Kit

Invasive ventilation

Accessories continued

Exhalation accessories

1040372	Trilogy, exhalation port block, passive
1054670	Trilogy, exhalation port block, active with PAP
1053716	Active exhalation device with PAP assembly
312149	Disposable exhalation port
332113	Whisper Swivel II

Heated humidifiers and accessories

22135	Humidifier, Fisher & Paykel, MR410
22101	Adapter, electrical, disposable circ., dual, 900MR555
22132	Adapter, mounting bracket, Fisher & Paykel
22161	Adapter, temp probe, reusable, 22mm/22mm
22160	Adapter, temp probe, single use, 22mm/22mm
22164	Adapters, temp probe, single use, 22mm/22mm, 50 per case
22902	Bracket, Fisher & Paykel
22167	Chamber, Fisher & Paykel, reusable, HC305, home care
22181	Chambers, Fisher & Paykel, MR220, 50 per case
22183	Chambers, Fisher & Paykel, MR250, 40 per case
22182	Chamber, Fisher & Paykel, MR250, single use
22105	Chamber, Fisher & Paykel, MR290, auto feed, single use
22104	Chambers, Fisher & Paykel, MR290, auto feed, single use, 10 per case
22151	Chamber, Fisher & Paykel, MR340, pediatric, reusable
22149	Chamber, Fisher & Paykel, MR370, adult, reusable
22135	MR410 purpose humidifier

Miscellaneous

1047410	Trilogy roll stand
1033709	Trilogy travel carrying case
1040420	Trilogy in-use device bag
1044760	Power cord C7-end R.A. female end
1043570	Trilogy detachable battery pack
1046972	Trilogy isolated RS232 serial cable
1047295	Trilogy external battery cable
1040390	Trilogy, oxygen quick-connect inserts, 2 per pk.
1045290	Nurse call adapter cable
1016861	OxiCheck with gray tee piece
1044191	Adapter 22mm x 15mm
1044186	Adapter 22mm x 22mm
1004525	Mouthpiece, 15 mm angled
C06566	Mouthpiece, 22 mm angled
C06401	Flextube, 5-1/2" standard 22 mm
C06402	Flextube, 6", 15mm tapered
C06270	Airlife, HME



NIV Accessories

I005297	Directview Software Package
I040370	Trilogy, Exhalation Port Block,Universal
I040372	Trilogy, Exhalation Port Block, Passive
I040390	Trilogy,Oxygen Quick-Connect Insert,2 Pk
I047300	Sd Card Reader
I051801	SD Card And Case
I053716	Trilogy,Active Exhal Device W/PAP Assy
I054670	Trilogy, Exh Port Block,Active w/PAP
I075946	Trilogy-O2 Inlet Air Cap
I080250	RJ9 to 2.5mm 3" Female Adapter Cable
C06418	FILTER,BACTERIA,DISP,CS/50
I063832	TRILOGY 3 YEAR EXTENDED WARRANTY
I043570	Trilogy Detachable Battery Pack,USA/Intl
I045150	RP-Trilogy Flow Sensor Assy
I045151	RP-Trilogy Power Supply
I045152	RP-Trilogy PCA, Sensor Board Assy
I045153	RP-Trilogy Active Exhalation Control Mod
I045166	RP-Trilogy Detachable Battery Con Assy
I045167	RP-Trilogy Detachable Battery Retainer
I045168	RP-Trilogy Flow Straightener
I045177	RP-Trilogy Stirring Fan Retainer Kit
I045181	RP-Trilogy Enclosure Seal Kit
I045184	RP-Trilogy LCD Kit
I045199	RP-Trilogy System Bd w/ Daughter Bd Kit
I045201	RP-Trilogy PCA Power Management
I045298	RP-Trilogy Oxygen Connector
I045299	RP-Trilogy AC Connector Cable Kit
I045403	RP-Trilogy Removeable Air Path Foam
I054162	Trilogy100, Clinical Manual, EN-INTL

Philips Respironics offers a full range of Bilevel devices that provide efficient and comfortable non-invasive ventilation, for non-dependent patients suffering from chronic respiratory deficiencies. The BiPAP series adapts to meet patient's needs by offering flexibility in treatment, featuring well-known and clinically proven Philips Respironics technology.



I054774	RP-Trilogy O2 and 202 Manifold Assy
I054867	RP-Trilogy O2 and 202 PCA Kit
I054870	RP-Trilogy O2 and 202 Flow Element Kit
I054951	RP-Trilogy Motor Blower Assy Kit
I063829	2YR TRILOGY STANDARD WARRANTY
I064699	RP-Trilogy Piezo Speaker Kit
I070249	RP-TRILOGY 200/ 202 /O2 Flow Sensor
I070259	RP-TRILOGY Port Block Adaptor Cap Kit
I072889	BiPAP A30 User Manual - EN-INTL
	RP-Trilogy Interface PCA Kit

I084499	RP-Trilogy Base Enclosure-INT
I101464	RP-Trilogy Front Enclosure Overlay
I105615	RP-Trilogy LCD Kit
I106251	RP-Trilogy System Bd w/ Daughter Bd Kit
I077107	A Series Humidifier, International
I081167	BiPAP A-Series Power Supply
I096770	Detachable Battery Module, USA/INTL
	BiPAP A40 User Manual - EN-INTL
I043316	OmniLab Advanced, International
I043342	OmniLab Advanced, Core, International



Improved patient care is now automatic



The new BiPAP AVAPS noninvasive homecare ventilator automatically delivers optimal therapy even as patient needs change. With the exclusive AVAPS feature, Digital Auto-Trak leak-sensing technology, and Encore ventilation data management software, BiPAP AVAPS takes patient care to the next level.

This advanced technology comes together in a light, quiet, and easy-to-use device that simplifies patient care.

PHILIPS
RESPIRONICS



Airway Clearance

Part number	
1098159	Cough Assist E70
1044185	Power Cord Kit

Accessories	
Circuits	
325 9217	FACEMASK,ADULT,LG,W/HOSE,FILTER,ADAPTER
325 9234	PATIENT CIRCUIT, CA MEDIUM
325 9235	PATIENT CIRCUIT, CA SMALL
325 9236	PATIENT CIRCUIT, CA TODDLER
325 9237	PATIENT CIRCUIT, CA INFANT
3259238	PATIENT CIRCUIT, CA TRACH
3259239	MOUTH PIECE W/ BREATHING HOSE AND FILTER
Miscellaneous	
1059017	CA 70 SERIES,FOOT PEDAL
1098407	CA70 SERIES,CIRCUIT,ADULT MED.,9FT
1098408	CA70 SERIES,CIRCUIT,ADULT LG.,9FT
1098409	CA70 SERIES,CIRCUIT,TRACH.,9FT
1098410	CA70 SERIES,CIRCUIT,MOUTHPIECE,9FT
1098720	CA70 SERIES,WATER TRAP

CoughAssist

Is a noninvasive therapy that safely and consistently removes secretions in patients with an ineffective ability to cough.

CoughAssist clears secretions by gradually applying a positive pressure to the airway, then rapidly shifting to negative pressure. The rapid shift in pressure produces a high expiratory flow, simulating a natural cough.

- Lightweight, portable and yet robust
- Large colour screen and intuitive interface
- Flexibility in delivery of therapy
- Enhanced therapy efficacy and comfort
- Data Management - SD card records more than one year of therapy data





Take a Cough-e Break and learn about CoughAssist.



CoughAssist is a noninvasive device that helps remove secretions for those with an ineffective cough. Schedule a Cough-e Break to find out about the unique technology that was designed for your patients, CoughAssist. Simply inspired by you.

PHILIPS



Patient Interface

Minimal-contact interfaces

OptiLife nasal mask

Features a headgear design with an integrated chin support band that allows it to be put on and adjusted with little effort – and no buckles. So now, even more patients can enjoy lightweight, effective therapy from a minimal-contact mask. Has both pillows and nasal options.

Part number	
1036832	OPTILIFE MASK & HGR, P,S,M,L PILLOWS-INT
1036833	OPTILIFE MASK P,S,M PWS & S,M CRD-INT
1036834	OPTILIFE MASK M,L PWS & M,L,LN CRD-INT



Accessories	
1036819	OptiLife sub-assembly <i>No cushions or headgear</i>
1036815	OptiLife mask only with S, M, L CradleCushion
1036816	OptiLife mask only with S, M pillows and S, M, L CradleCushion
1036804	OptiLife FitPack, mask only size P, S, M, L pillows cushions
1036838	OptiLife pillows cushion, petite
1036839	OptiLife pillows cushion, small
1036840	OptiLife pillows cushion, medium
1036841	OptiLife pillows cushion, large
1036846	OptiLife CradleCushion, small
1036847	OptiLife CradleCushion, medium
1036848	OptiLife CradleCushion, large narrow
1036849	OptiLife CradleCushion, large
1036850	Headgear <i>Includes chin support band</i>
1036851	Small accessory pouch
1039967	Tube management clips, 2 per pk.
1032007	Respironics pillows sizing gauges, 5 per pk.
1031154	Respironics pillows sizing gauges, 20 per pk.

Minimal-contact interfaces

GoLife

The GoLife platform is built around a simple concept with few parts. The unique soft facial contour arms gently hug the face to maintain stability and a secure seal even as the patient moves. Self-adjusting, optimally angled nasal pillows allow a one-step fit. Comfortable, straightforward headgear comes in two sizes – one for men, the other for women.



Part number	
1073331	S-M-L GOLIFE MEN NSL MSK PLW W/HGR INT
1082580	P-S-M GOLIFE WOMEN NSL MSK PLW W/HGR INT

GoLife	Material
Frame	Thermoplastic polyester elastomer
Cushion	Silicone
Tubing	Ethylene octane copolymer
Exhalation elbow and swivel	Polycarbonate
Headgear and frame padding	UBL/Urethane foam/Lycra

Nasal interfaces

TrueBlueGel

TrueBlue brings the proven performance of our blue gel together with Auto Seal technology in one great mask.

Designed to push the limits of comfort and fit, this mask sets a gold standard for a good night's sleep. It's the first blue gel nasal mask with Auto Seal technology.

Part number	
1071838	P TRUEBLUE W/HGR INT
1071839	S TRUEBLUE W/HGR INT
1071840	M TRUEBLUE W/HGR INT
1071841	MW TRUEBLUE W/HGR INT
1071842	L TRUEBLUE W/HGR INT
1071844	S TRUEBLUE SE MASK W/HGR INT
1071845	M TRUEBLUE SE MASK W/HGR INT
1071848	L TRUEBLUE SE MASK W/HGR INT



TrueBlue	Material
Faceplate	Polycarbonate
Gel cushion	Polyurethane gel and polyester film
Gel forehead pad	Polyurethane gel and polyester film
Silicone spring ring	Polycarbonate
Silicone spring	Silicone
Silicone spring male ring	Polyether Imide
Sealing flap	Silicone
Sealing flap ring	Polycarbonate
Exhalation elbow	Polycarbonate
Exhalation chip	Acetal copolymer
Exhalation swivel	Polycarbonate
Split washer	Polycarbonate
Forehead bracket	Thermoplastic polyester elastomer
Talon clip	Thermoplastic polyester elastomer
Headgear	UBL/Urethane foam/nylon and Lycra

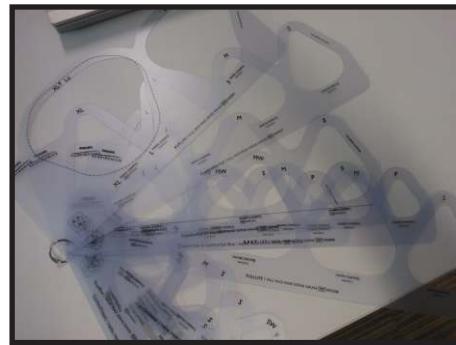
Minimal-contact interfaces

Philips Respironics Wisp - Coming Soon...

Wisp combines the performance and comfort of a nasal mask with the minimal design of a pillows mask – helping you to support patient acceptance.

Wisp's clever auto seal groove technology accommodates your patient's every move, for a superior seal and a great night's sleep

Part number	
1094060	Wisp mask with silicone frame and headgear
1094061	Wisp mask with fabric frame and headgear
1094062	Wisp mask SE with silicone frame and headgear
1036425	Wisp Sizing Gauge



Part number	
I050021	S EASYLIFE MASK W/HGR INT
I050022	M EASYLIFE MASK W/HGR INT
I050023	MW EASYLIFE MASK W/HGR INT
I050024	L EASYLIFE MASK W/HGR INT
I050028	MW EASYLIFE DUOPACK W/HGR INT
I050029	L EASYLIFE DUOPACK W/HGR INT
I050032	M EASYLIFE SE MASK W/HGR INT
I050088	S/M EASYLIFE FITPACK W/HGR INT

EasyLife nasal mask

With its patented Auto Seal technology, the EasyLife nasal mask nearly eliminates the need for manual mask adjustments. Its innovative, lightweight design features a unique dual-cushion construction - the inner cushion creates an instant, self-adjusting seal, while the outer cushion provides comfortable support. The only manual steps necessary are intuitive headgear adjustments, making fitting as easy as possible.

Accessories	
I050011	EasyLife without headgear, small
I050012	EasyLife without headgear, medium
I050013	EasyLife without headgear, medium wide
I050014	EasyLife without headgear, large
I050091	EasyLife cushion set*, small
I050092	EasyLife cushion set*, medium
I050093	EasyLife cushion set*, medium wide
I050094	EasyLife cushion set*, large
I050095	EasyLife headgear
I050096	EasyLife sizing gauge



Full-face interfaces

Amara

Philips Respironics has redefined the full-face mask, making it easy to fit and easy for patients to live with - plus it is designed and built to the exacting standards you would expect from Philips. **With Amara, it just clicks.**

Part number	
1090222	S AMARA MASK W/HGR INT
	M AMARA MASK W/HGR INT
1090224	L AMARA MASK W/HGR INT
1090233	M AMARA MASK SE W/HGR INT
1090234	L AMARA MASK SE W/HGR INT



Amara	Material
Frame/hub	Polycarbonate
Cushion	Silicone
Forehead pad	Silicone
Exhalation elbow	Polycarbonate
Exhalation chip	Acetal copolymer
Elbow swivel	Polycarbonate
Split washer	Polycarbonate
	Polycarbonate
Headgear clip	Thermoplastic polyester elastomer
Headgear	UBL/Urethane foam/nylon and Lycra

Full-face interfaces

ComfortGel Blue Full

A comfortable forehead cushion and enhanced StabilitySelector combine with our popular blue gel replaceable cushion to create a high level of comfort and stability. The unique sure seal technology (SST) provides a membrane-thin layer over the gel cushion to closely follow facial contours of both men and women, allowing more wearers to quickly achieve the comfortable seal they need.



Part number	
1081820	S ComfortGel Blue Full, International
1081821	M ComfortGel Blue Full, International
1081822	L ComfortGel Blue Full, International
1081823	XL ComfortGel Blue Full, International

Amara	Material
Faceplate	Polycarbonate
	Urethane gel
Gel cushion outer shell	Urethane
	Silicone
Cushion flap ring	Polycarbonate
	Silicone
Exhalation elbow and swivel	Polycarbonate
	Acetal copolymer
Elbow split washer	Polycarbonate
	Silicone
Forehead support arm and bracket	Polycarbonate
Headgear clips	Thermoplastic polyester elastomer
Headgear (premium)	UBL/Urethane foam/Lycra

Full-face interfaces

ComfortGel Full

Combines an all-new design with some very familiar – and popular – components.

Our comfortable forehead cushion and enhanced StabilitySelector combined with our popular blue gel replaceable cushion to create a level of comfort and stability no other full-face mask can approach. The unique sure seal technology (SST) provides a membrane-thin layer over the gel cushion to follow the contours of the face better, allowing wearers to quickly achieve the comfortable seal they need.



Part number	
1040140	S COMFORTGEL FULL W/HGR INT
1040141	M COMFORTGEL FULL W/HGR INT
1040142	L COMFORTGEL FULL W/HGR INT
	S COMFORTGEL FULL SE W/HGR INT
1043551	M COMFORTGEL FULL SE W/HGR INT
1043552	L COMFORTGEL FULL SE W/HGR INT
1062014	XL COMFORTGEL FULL MASK W/HGR INT

Accessories	
1040568	ComfortGel Full mask without headgear, small
1040569	ComfortGel Full mask without headgear, medium
1040570	ComfortGel Full mask without headgear, large
1062003*	ComfortGel Full mask without headgear, extra large
1051032	ComfortGel Full mask without headgear, DuoPack, small plus small cushion
1051033	ComfortGel Full mask without headgear, DuoPack, medium plus medium cushion
1051034	ComfortGel Full mask without headgear, DuoPack, large plus large cushion
1040798	ComfortGel Full cushion, small
1040799	ComfortGel Full cushion, medium
1040800	ComfortGel Full cushion, large
1062030*	ComfortGel Full cushion, extra large
1040795	SST flap only, small
1040796	SST flap only, medium
1040797	SST flap only, large
1062031*	SST flap only, extra large
1044861	ComfortGel Full cushion and SST flap, small
1044862	ComfortGel Full cushion and SST flap, medium
1044863	ComfortGel Full cushion and SST flap, large
1062032*	ComfortGel Full cushion and SST flap, extra large
1040138	ComfortGel Full premium headgear
1040114	Premium forehead pad
1049398	Entrainment valve swivel
1040139	Ball-and-socket Quick Clips, blue, 2 per pk.
1010872	Port caps, 5 per pk.
1049507	Sizing gauge

Full-face interfaces

Part number	
1047940	M FULLLIFE MASK W/HGR INT

Accessories	
1052158	FullLife mask without headgear, small
1052159	FullLife mask without headgear, medium
1052160	FullLife mask without headgear, large
1047922	FullLife cushion, small
1047923	FullLife cushion, medium
1047924	FullLife cushion, large
1047975	FullLife headgear system
1047937	Sizing gauge

FullLife full-face mask

We took a minimalist approach in developing FullLife. We made it smaller and lighter, yet ensured that it is durable. The conventional forehead pad was eliminated to provide a clear line of sight in the process. We reduced leaks with a dual-textured, grooved cushion that creates a robust seal even with patient movement. Our straightforward, step-by-step numbered headgear system reduces application and removal effort while improving fit. With less noise, FullLife is more comfortable to live with. And with just one faceplate to fit all sizes – plus our FitPack and DuoPack options – FullLife is more comfortable for you as well.



Full-face interfaces

Part number	
1060803	S FITLIFE MASK EEW/HGR INT
1060804	L FITLIFE MASK EEW/HGR INT
1061711	S FITLIFE MASK SEW/HGR INT
1061712	L FITLIFE MASK SEW/HGR INT

Accessories	
1060807	FitLife headgear, small
1060808	FitLife headgear, large
1060913	FitLife headgear snap clips, 2 per pk.
7041	Accessory swivel

FitLife total full-face mask

A solution for patients who have difficulty wearing conventional masks or who simply prefer a clear line of sight. FitLife addresses a number of patient issues. Facial hair, dentures, nasal bridge breakdown, facial irregularities, and claustrophobia are issues that can greatly impact the ability to establish effective therapy and comfort. FitLife quickly establishes a robust seal around the less pressure-sensitive perimeter of the face, while maintaining an unrestricted view.



Patient Interface Accessories & Circuits

Accessories

1004291	LARGE GEL RETROFIT 1-PACK
1009054	RP-COMFORTGEL SILICONE FLAP-M
1009723	CMFRTGEL HDGR SWIVEL CLIPS,2PK
1070102	RP M CMFRTGEL BLUE GEL CUSHION
1071875	RP TRUEBLUE HGR
7050	HOSE ADAPTOR FOR O2 LINE
1032907	Performance Tubing 6ft (1.83m)
1065659	Kit,Active Exhalation Device
1074400	6FT SYSTEM ONE PERFORMANCE TUBING - 15
302423	PRESSUREVALVE 5 PACK
622038	REUSABLE FLEXIBLE TUBING, GREY
1002801	DLUX HEADGEAR(BLK-4 STRAP)INTL
1002806	MESH SOFTCAP, MEDIUM -INTL
1014334	COMFORTHEADGEAR-INTL
1033678	PREMIUM HEADGEAR RP
1036850	OPTILIFE HGR W/ CHIN SUPPORT BAND
1040138	RP-ComfortGel Full Premium Headgear
1040844	FUSION HEADGEAR RP KIT
1050087	RP EASYLIFE HEADGEAR,TS
1060807	RP-FITLIFE HGR, SMALL
1060808	RP-FITLIFE HGR, LARGE





Sleep Diagnostics

In-lab PSG systems

Alice 6

Pair the Alice 6 LDx base station with either the LDxS or LDxN head box to have a full-featured, easy-to-understand system that allows staff to focus more on patients and less on equipment. The LDxS is the perfect front-line head box for most sleep center needs. Place the LDxN into use when you need to step up from the 19 EEG inputs on the LDxS to a full 32 EEG inputs. The LDx base station works with either head box, so it's easy to have the right capability where, and when, you need it.



Part number

1063315	Alice 6 system Includes a base station, headbox, speakers, microphone kit, mouse pad, power supply, AC power cord, headbox wall mounting kit, headbox carrying case, headbox shoulder strap, and a setup and user's guide.
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Accessories

Core component accessories

1063553	Headbox
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In-lab PSG systems

Alice 5

The Alice 5 diagnostic sleep system provides sleep labs with a powerful way to diagnose sleep disorders in the lab setting. The system records, displays, and prints physiological sleep study information, and is appropriate for use with infants through adults. Alice 5 simplifies the integration of lab devices through a high-tech consolidation that requires a maximum of only two cables. You're able to receive usable data for your patient analysis without sacrificing output. The system has been designed with innovative real-time impedance so you never lose sight of your patient's data.

Part number	
1017229	Alice 5 system Includes a base station, headbox, speakers, microphone kit, mouse pad, power supply, AC power cord, headbox wall mounting kit, headbox carrying case, headbox shoulder strap, and a setup and user's guide.

Accessories	
Core component accessories	
1019529	Masimo Pc08, Patient Cable, Sensor
1019530	LNOPY1 Multiside Sensor, Masimo



In-lab PSG systems

Alice LE

Designed to provide all the value and affordability you want in an every-day system, without sacrificing usability. With the reliable features found in the Alice LE, you get all the needed capabilities to satisfy professional sleep testing standards. The Alice LE is simply the right product for performing routine PSGs. It's another member of our Alice family of diagnostic sleep systems and another way we're helping to lead the way in facilitating an appropriate diagnosis and healthy night's sleep for patients.

Part number

1002288 Alice LE system

Includes the base station, headbox, headbox wall bracket, shoulder belt, connecting cable, microphone, user's guide, mouse pad, and base station power supply.



Alice PDx

Is a portable, diagnostic recording device for OSA screening, follow-up, and diagnostic assessment of cardio-respiratory sleep disorders. This flexible and portable sleep system incorporates advanced features required to meet today's industry needs. It satisfies the portable testing requirements for levels II, III, and IV and provides capabilities of basic screening to advanced diagnostic evaluation. The Alice PDx enables your patients to be tested outside of the lab without compromising study results, helping you to avoid costs associated with retesting.

Part number

1043844 Alice PDx device kit



Portable diagnostics

Part number	
1011176	Stardust II recorder package

Stardust II

Is powerful enough to generate comprehensive seven-channel reports and small enough to be worn comfortably while sleeping – wherever, whenever. The Stardust II also enables you to meet level III and IV testing requirements.



Screening devices and actigraphy

RUSleeping RTS

You now have an immediate solution to offer your patients who are on a waiting list for a PSG. The RUSleeping RTS is an easy-to-use, same-day, objective method for patients who have been recommended for a PSG but can't be scheduled right away due to facility backlog.

Part number	
1048540	RUSleeping RTS Includes a battery, provider manual, pack of user manual/response cards, cannula, and a travel box.



Actiwatch actigraphy systems

Ambulatory actigraphy devices that collect and download continuous, objective, long-term sleep/wake data. Data is collected over multiple days in a subject's ambulatory environment. The devices incorporate the comfort and aesthetics of a standard wrist watch and provide important and reliable insight into subject or patient sleep/wake behavior for clinical trial, clinical sleep, and research purposes.

Part number	
1048090	Actiwatch 2
1048092	Actiwatch Communication Dock System
1044894	Actiwatch 2 Watchband Kit
1083203	Actiwatch 2 Software Package

Communication dock and Actiware software are required.



Accessories	
1053952	RP-Secure Digital Card w/case,2PK
PI1133	ZRIP WIRESET
PI1391	CPAP Titration Kit, Circuit to Luer
I078752	PLM SENSOR, 249
I081984	Masimo LNCS DCI,Adt Reus Snsr
P1694	BODY POSITION SENSOR,ALICE 5
PI716	SNORE MICROPHONE
PI259	PRO-FLOW NASAL CANNULA ADULT CS/60
PI295	PRO-FLOW+ NASAL/ORAL CANNULA ADULT 30/EA
PI1300	PRO-FLOW + NASAL/ORAL CANNULA ADULT 5PK
PI301	PRO-FLOW ADULT NASAL CANNULA 10PACK
PI328-60	PRO-FLOW NASAL CANNULA,ADULT,16" 60/CS
PI343	PRO-FLOW+ N/O CANNULA ADULT 16" 30/CS
PI1390	PRO-FLOW NASAL CANNULA,ADULT, 16" 5PK
P1586	PIEZO RESP.EFF.SEN.ADLT.BUCKLE STYLE
PI1805	CT2 Effort Sensor Adult, Stardust
PI304R	PTAFLITE,UNFILTERED AF ONLY
PI340	Stardust™ PTAF™ Sensor
PI1396	Stardust PTAF Sensor Kit
PI274	AF,THER.10K,ADULT,1 CH,1.5MM SAFETY
PI379	THERMISTOR, ORAL, ALICE PDx
PI388	THERMISTOR NASAL ORAL,ADULT,ALICE PDx
I073622	zRIP,DuraBelt,Adult
I075969	zRIP DuraBelt Kit,Adult, PDx
I075970	zRIP DuraBelt, Belt Only, Ped.
I076333	zRIP DuraBelt Kit,Adult,A5

Pro-Tech sensors

As a leader in the development, manufacturing, and supply of sensors to the sleep diagnostics industry, we offer a full line of high-performance, quality Pro-Tech sensors to help you obtain the data you need. Our sensor product line includes quality sensors that detect respiratory airflow, respiratory effort, snoring, periodic limb movements, and sleep position.

Our affordable zRIP technology provides true breathing movement tracings with no false parodoxing and accurate signals for the detection of respiratory effort. The PTAF 2 pressure-based transducer is designed to generate accurate respiratory signals. These, along with a variety of Pro-Tech cannulas, thermal airflow sensors, and snore sensors are available to meet your accreditation needs. Adult and pediatric sizes are available.



Sleep Diagnostics Accessories

Part number	
1007199	STARDUST FINGER CLIP SENSOR
1012120	S/W, STARDUST,VER 2.0.22
1016339	EEG/EMG/EOG LEADS (72 IN.) QTY 10
1016349	IR PROJECTOR
1016351	SIGNAL SPLITTER ALICE 5
1016352	SINGLE INPUT AUX CABLE - 10 FT
1016360	ADULT ECG ELECTRODES
1016362	ECG LEAD SET 4-WIRE(72 IN.),INTL
1020970	EEG/EMG/EOG LEADS (120 IN.) QTY 10
1020971	EEG/EMG/EOG LEADS (48 IN.) QTY 10
1021628	ALICE 5 SLEEPWARE SOFTWARE PACKAGE
1025177	IR Illuminator Power Supply
1037268	Serial Cable, H8195 to PC Kit
1040805	Cable RS232 to Serial,ALICE PDX
1040806	Cable Serial to Serial RS232,ALICE PDX
1040807	AlicePDX MobileLink Cable
1040808	Cable, ExG Yoke,ALICE PDX
1040810	Cable, ECG Yoke, ALICE PDX, Intl
1041200	ECG LEAD SET 5-WIRE (30 IN.), INTL
1044737	RUSleeping, Manual, Provider, EN-INT
1048415	Cable, ExG Yoke, ALICE PDX, Intl
1070155	AXIS 214 PTZ NETWORK CAMERA
1070398	EXTENSION CABLE,ALICE 5 MPEG AUDIO
1076592	Alice 6 Pressure Sensor, International
1077297	AXIS 215 PTZ NETWORK CAMERA
1082463	Sleepware G3 Software Package _ML
1082652	Alice 6 Head Box Wall Mount Kit
1082653	Alice 6 Therapy Circuit Interface Kit
1091077	NASAL CANNULA,ADULT,FILTERLESS 10 PK
1091677	Network Switch, Rack Mountable, 16-port
1094169	Alice5 Hard Dr (SBC5315 Compatible Only)
1101840	Alice 6,Acc, Sensor Kit,Adult, INTL
612214K	KIT,RS232 ISOLATION MODULE
8051	EEG ELECT.CREAM,4 OZ.TUBE
8052	EEG ELECT.SKIN PREP,4 OZ.BOT.
8179	REF.ELECTRODE JUMPER CABLE
H3150-10	CABLE, CAT-5 PATCH, 10FT
H3150-50	CABLE, CAT-5 PATCH, 50FT





Leading the way in sleep diagnostics.

Our focus is on helping sleep technicians better handle their patient monitoring needs, in or out of the lab. We provide 24/7 technical service and support and a full line of quality products including Pro-Tech sensors. It's all about an appropriate diagnosis and healthy night's sleep for patients. Simply inspired by you.

www.sleepsolutions.in

PHILIPS
RESPIRONICS



Oxygen

Portable Concentrators

SimplyGo concentrator

SimplyGo is Philips first oxygen concentrator that offers the benefit of a continuous flow mode in a light weight, easy-to-carry design of 4.5 kg. No need to compromise between as effective oxygen therapy output for your patients and the usual weight of the device. SimplyGo offers a solution that fulfills the need of most of the oxygen therapy patients.



Part number	
1069058	SimplyGO
Accessories	
1082662	SIMPLYGO,BATTERY (EXTRA/RPLACMNT)
1083692	SIMPLYGO, DC CAR CHARGER
1083693	SIMPLYGO,DC AIRLINE CORD
1083699	SIMPLYGO,Humidifier Pouch
1082665	SIMPLYGO PWR CORD,CEE 7/7,Standard Euro
1082667	SIMPLYGO,PWR CORD,BS 546,S.Africa,India
1083703	SimplyGo,Manual,User,EN-INTL
1101602	SIMPLYGO,HUMIDIFIER POUCH AND TUBE KIT
1101890	SimplyGo 2 Year Standard Warranty

Stationary Concentrators

EverFlo concentrator

The smaller, lighter EverFlo oxygen concentrator from Resironics is making a big impression on providers and patients. Its sleek, ergonomic design makes EverFlo easier to store, move, and carry than conventional concentrators. And it is one of the quietest and most energy efficient devices available today. With no filter for patients to maintain, a durable metal oxygen outlet, and fewer moving parts than other concentrators, EverFlo is designed to deliver consistent, trouble-free operation.



Part number	
1020009	EverFlo oxygen concentrator with oxygen percentage indicator (OPI)

Accessories	
1039642	HUMIDIFIER CONNECTOR TUBE KIT,EVERFLO
1050801	EVERGO,MOBILE CART OIS,ILLUS.
1074885	MOBILE CART,E2
100-5004-15	NASAL CANNULA (W/25' TUBING)
100-5004-20	BOTTLE, BUBBLE HUMIDIFIER
1017848	HUMIDIFIER,BOTTLE,10LPM MILL.
1038790	RP-EverFlo Fuse-230V
1038817	RP-EverFlo PCA with OPI-230V
1038819	RP-EverFlo Mainfold Assy
1038823	RP-EverFlo Compressor-230V
1038824	RP-EverFlo Pressure Regulator Assy.
1038827	RP-EverFlo Solenoid Assy
1038830	RP-EverFlo Front Cabinet DISS Outlet
1038831	RP-EverFlo Inlet Filter
1038833	RP-EverFlo OPI Concentrator Tubing
1038835	RP-EverFlo Capacitor Assy-230V
1038837	RP-EverFlo Fan Assy-230V
1038839	RP-EverFlo Filter Cover
1039237	RP-EverFlo Model 102009 Pwr Cord
1039576	RP-EverFlo Front Cabinet Kit-230V
1039577	RP-EverFlo Rear Cabinet-230V
1048534	RP-EverFlo Whisper Cap Kit

Oximeters

Part number	
1070185	Oximetry module with carry case
1075383	High performance low power oximetry module with SPO ₂

Pulse Oximetry & Accessories

Weighing just two ounces, this durable, self-contained unit delivers an accurate pulse rate and blood oximetry in just seconds. It has auto on/off and a 1-year warranty.

Accessories	
927	Cable, 3ft, 8500 Hand Held Oximeter
936	Reusable Finger Sensor (Clip)
953	OXIMETRY FINGER SENSOR,ADULT,FLEX



Asthma

Threshold IMT

Provides consistent and specific pressure for inspiratory muscle strength and endurance training, regardless of how quickly or slowly patients breathe. This device incorporates a flow-independent, one-way valve to ensure consistent resistance and features an adjustable specific pressure setting (in cm H₂O) to be set by a healthcare professional. When patients inhale through Threshold IMT, a spring-loaded valve provides resistance that exercises respiratory muscles through conditioning.

Part number

HS730-010 Threshold IMT, 10 per pk.



Threshold PEP

Threshold PEP is used for airway clearance, bronchial hygiene, or as an alternative to chest physical therapy. Threshold PEP incorporates a flow-independent, one-way valve to ensure consistent resistance with adjustable specific pressure settings (in cm H₂O) which are set by the healthcare professional. When patients exhale through Threshold PEP, the resistive load creates positive pressure that helps open the airways and allows mucus to be expelled during "huff" coughing (forced expiratory technique).

Part number

HS735-010 Threshold PEP, 10 per pk.





Nebulizers

Part number	
1093268	Sami the Seal compressor 230V 50 Hz Euro plug
1093270	Sami the Seal compressor 220V 60 Hz UK plug
1093237	Sami the Seal compressor 220V 60 Hz Korean plug
1093235	Sami the Seal compressor 220V 60 Hz US plug
1101484	Reusable pediatric replacement nebulizer kit

Sami the Seal nebulizer compressor system

Sami the Seal combines a child friendly compressor design, with our highly efficient SideStream nebulizer, to provide fast treatments to children and also help to support aerosol therapy compliance. The system has been designed to cope with the demands of delivering frequent treatments in the hospital, and is also a robust and reliable option for the home.

Product Specifications	
Thermal overload protector	Resettable thermal fuse; functioning temperature 130°C
Performance flow	6 lpm @ 10 psi
Maximum pressure	29~43.5 psi
Size (l x w x h)	267 mm x 155 mm x 226 mm
Weight	1.6 kg
Operating mode	Continuous
Warranty	3 years



InnoSpire Essence nebulizer compressor system

Essence is combined with our highly efficient SideStream nebulizer. SideStream has been designed to draw more air in, via an active venturi system, resulting in faster drug delivery and shorter treatment times. It also has a unique diamond jet design which helps to minimise wear from frequent use and aids consistent delivery of a high quality aerosol.



Part number		
I099967	Essence 230V/50 Hz EU plug	
I099965	Essence 220V/60 Hz Korean plug	
I099964	Essence 220V/60 Hz UK plug	
I102174	Essence 220V/60 Hz US plug	
2010A	SideStream reusable year pack	
I223A	SideStream reusable kit with adult mask	
I224A	SideStream reusable kit with pediatric mask	
I225A	SideStream reusable kit with mouthpiece	
I102088	Air inlet filters (pack of 4)	
2350	SideStream disposable one month pack (pack of 40)	
4446	SideStream disposable with adult mask (pack of 50)	
4447	SideStream disposable with pediatric mask (pack of 50)	
4448	SideStream disposable with mouthpiece (pack of 50)	

Technical Specification		
Electricity supply	230V/50 Hz, 1 Amp	220V/60 Hz, 1.2 Amp
Compressor max. pressure	317 kPa (46 psi)	296 kPa (43 psi)
Average flow rate	6 lpm @ 10 psig	7 lpm @ 10 psig
Max flow rate	8.0 lpm	9.3 lpm
Thermal overload protector	Thermal fuse; functioning temperature 150°C	
Weight	1.5 kg	
Size (l x w x h)	165 x 165 x 108 mm	
Noise level	58 ±3 dBA	

Part number	
I099973	Elegance 230V/50 Hz EU plug
I099971	Elegance 230V/50 Hz UK plug
I099970	Elegance 230V/50 Hz Australian plug
I100309	Elegance 220V/60 Hz UK plug
I102460	Elegance 220V/60 Hz Korean plug
2010A	SideStream reusable year pack
I223A	SideStream reusable kit with adult mask
I224A	
I225A	SideStream reusable kit with mouthpiece
I102088	Air inlet filters (pack of 4)

InnoSpire Elegance nebulizer compressor system

Sami the Seal combines a child friendly compressor design, with our highly efficient SideStream nebulizer, to provide fast treatments to children and also help to support aerosol therapy compliance. The system has been designed to cope with the demands of delivering frequent treatments in the hospital, and is also a robust and reliable option for the home.

Product Specifications		
Electricity supply	230V/50 Hz, 1 Amp	220V/60 Hz, 1.2 Amp
Compressor max. pressure	317 kPa (46 psi)	296 kPa (43 psi)
Average flow rate	6 lpm @ 10 psig	7 lpm @ 10 psig
Max flow rate	8.0 lpm	9.3 lpm
Thermal overload protector	Thermal fuse; functioning temperature 150°C	
Weight	1.5 kg	
Size (l x w x h)	165 x 165 x 108 mm	
Noise level	58 ±3 dBA	



Part number	
1079820	OptiChamber Diamond
1083786	OptiChamber Diamond (bagged)
1079822	OptiChamber Diamond with small mask
1079825	OptiChamber Diamond with medium mask
1079828	OptiChamber Diamond with large mask
1083785	LiteTouch small mask
1083784	LiteTouch medium mask
1083783	LiteTouch large mask

OptiChamber Diamond

OptiChamber Diamond is made of anti-static material and is designed to help your patients achieve an effective treatment.

Key features

- Low resistance valves
- Anti-static chamber for consistent aerosol therapy
- Flexible pMDI adapter
- Detachable LiteTouch facemasks with soft-seal technology

Product specifications	
Dimensions	
Volume	140 ml
Length	14.2 cm
Mouthpiece	Interfaces with 22mm standard connectors
Materials	
Chamber	Anti-static ABS plastic
LiteTouch mask	Polycarbonate (PC) silicone
Valves	Silicone (latex free)
Life span	Replace after one year



INDIA

Gurgaon (Corporate Office & Northern Regional Office)

Kartikeya Joshi - +91 9560477440
9th Floor, DLF 9-B, DLF Cyber City, DLF Phase - 3,
Sector 25, Gurgaon - 122 002.
Tel : +91-124-4606000; Fax : +91-124-4606666

Chennai (Southern Regional Office)

Temple Towers, 4th Floor; Old No : 476, New No : 672,
Anna Salai, Nandanam, Chennai - 600 035.
Tel : +91-44-66501000; Fax : +91-44-66501075

Kolkata (Eastern Regional Office)

Hindol Ghosh - +91 9903358683
First Floor, 7, Justice Chandra Madhab Road,
Kolkata - 700 020.
Tel : +91-33-24559770/9422/9645; Fax : +91-33-24559423/973

Mumbai (Western Regional Office)

Mr.Vaibhav Padave - +91 9833368278
Technopolis Knowledge Park, Mahakali Caves Road,
Chakala, Andheri (E), Mumbai - 400 093.
Tel : +91-22-66912000; Fax : +91-22-66912474

Hyderabad

Mr. Syed Abdul Hai - +91 9000335234
6-3-I 109/I/P/103, 3rd Floor, Jewel Pawani Towers,
Raj Bhavan Road, Somajiguda, Hyderabad - 500 082.
Tel : +91-40-66467676; Fax : +91-40-23417942

Factory Authorised Service Center

(New Delhi)

Medequip Services
1st Floor, No.45, Block A-4,
Above Karnataka Bank Ltd.,
Paschim Vihar;
New Delhi, India- 110063

Contact Person:
Mr. Moseen

Trained by: Philips Respironics

Contact details:
Tel: +91 11 45042244
+91 9910019548
Email: prfascdelhi@medequip.in

(Hyderabad)

Medequip Services
6-35/I, Industrial Estate,
Saneth Nagar;
Hyderabad, AP
India 500 018

Contact Person:
Mrs. Hemakrishna
(Service Coordinator)

Trained by: Philips Respironics

Contact details:
Tel: +91 40 23811122
+919177211122
Fax: +91 40 23811177
Email: prfasohbd@medequip.in

(Mumbai)

Perfect Medical Solutions
UNIT NO. 28 'OASIS' Industrial
Estate
Vakola Masjid, Nehru Road,
Santa Cruz (E), MUMBAI,
Maharashtra
India 400 055

Contact Person
Mr. Sunil Vladiagaikar

Contact details:
TEL: +91 9833170025
Email: prfascmumbai@gmail.com

Head - Operations & Service

Kayomarz Khambatta – 9833434333
Email – Kayomarz.Khambatta@philips.com

Head - Marketing

Sandeep Oberoi – 9910868588
Email – sandeep.oberoi@philips.com

Head - Govt. Business

Sukhbeer Singh – 9779727142
Email – Sukhbeer.singh@philips.com



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